

Title (en)
INFORMATION PROCESSING SYSTEM, INFORMATION PROCESSING DEVICE, INFORMATION PROCESSING METHOD, AND NON-TRANSIENT COMPUTER READABLE MEDIUM

Title (de)
INFORMATIONSVERRARBEITUNGSSYSTEM, INFORMATIONSVERRARBEITUNGSVORRICHTUNG,
INFORMATIONSVERRARBEITUNGSVERFAHREN UND NICHTFLÜCHTIGES COMPUTERLESBARES MEDIUM

Title (fr)
SYSTÈME, DISPOSITIF ET PROCÉDÉ DE TRAITEMENT D'INFORMATIONS, ET SUPPORT NON TRANSITOIRE LISIBLE PAR ORDINATEUR

Publication
EP 4011259 A4 20220928 (EN)

Application
EP 20850926 A 20200527

Priority
• JP 2019146294 A 20190808
• JP 2020020964 W 20200527

Abstract (en)
[origin: EP4011259A1] To collect excretion information indicating a content of excrement in a toilet bowl without having to ask a user of a toilet and prevent flushing of a foreign body other than the excrement, even when the foreign body is present in the toilet bowl. The information processing system (1) includes an acquisition unit (1a) that acquires excretion information on the basis of imaging data captured by an image capture apparatus installed in such a way as to include, in an image capture range, an excretion range of excrement in a toilet bowl of a toilet, a generation unit (1b) that generates presentation information on the basis of the excretion information, an output unit (1c) that outputs the presentation information, and a washing control unit (1d) that controls a washing function of the toilet bowl. The acquisition unit (1a) acquires information that indicates whether a foreign body being an object other than feces and urine is included in the imaging data as a subject excluding the toilet bowl and washing liquid for the toilet bowl, as at least a part of the excretion information. When information including the foreign body is acquired, the washing control unit (1d) outputs a stop command for stopping the washing function to the toilet bowl side, and the generation unit (1b) generates alert information as at least a part of the presentation information.

IPC 8 full level
A47K 17/00 (2006.01); **A61G 12/00** (2006.01); **E03D 5/10** (2006.01); **E03D 9/00** (2006.01); **G01N 33/483** (2006.01); **G01N 33/50** (2006.01); **G08B 21/02** (2006.01); **G08B 25/04** (2006.01)

CPC (source: CN EP KR US)
A47K 17/00 (2013.01 - KR); **A61G 12/00** (2013.01 - KR); **E03D 5/10** (2013.01 - KR US); **E03D 9/00** (2013.01 - KR); **E03D 9/002** (2013.01 - US); **G01N 33/483** (2013.01 - EP KR); **G01N 33/50** (2013.01 - EP KR); **G06T 7/0002** (2013.01 - US); **G06V 40/172** (2022.01 - US); **G08B 21/02** (2013.01 - KR); **G08B 25/04** (2013.01 - KR); **G16H 30/40** (2017.12 - EP); **G16H 40/60** (2017.12 - CN); **G16H 40/67** (2017.12 - EP); **G16H 50/20** (2017.12 - EP); **A47K 2017/006** (2013.01 - KR); **A61G 9/00** (2013.01 - EP); **A61G 2203/30** (2013.01 - EP); **G08B 23/00** (2013.01 - EP)

Citation (search report)
• [A] EP 3252468 A1 20171206 - TOTO LTD [JP]
• [A] WO 2010049913 A2 20100506 - CHAN DENNIS HONG MING [CN], et al
• See references of WO 2021024584A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 4011259 A1 20220615; EP 4011259 A4 20220928; EP 4011259 B1 20231122; EP 4011259 C0 20231122; CN 114207733 A 20220318; JP 2023026435 A 20230224; JP 7193183 B2 20221220; JP WO2021024584 A1 20210211; KR 102592841 B1 20231020; KR 20220031079 A 20220311; TW 202106265 A 20210216; TW I782284 B 20221101; US 11920335 B2 20240305; US 2022333364 A1 20221020; WO 2021024584 A1 20210211

DOCDB simple family (application)
EP 20850926 A 20200527; CN 202080056002 A 20200527; JP 2020020964 W 20200527; JP 2021537590 A 20200527; JP 2022191173 A 20221130; KR 20227004068 A 20200527; TW 109119458 A 20200610; US 202017632312 A 20200527